

PATENT CLAIMS

1. Spring element (2) having an elastic spring body (4) made of rubber or a rubber-like plastic, the spring body being mounted between two rigid end members (6, 8) which are arranged at a variable spacing to each other;

5 the spring cross section is rotationally symmetric and the longitudinal section exhibits a biconvex shape;

 characterized in that,

 ribs (14; 14a, ...) are arranged on the surface (12) of the spring body (4) at spacings (A) from each other, the ribs being
10 intersected by ribs (16; 16a, ...) or groups of ribs (16, ...) arranged likewise at spacings (A) from each other; polygonal fields (18a, ...) are formed on the surface (12) of the spring body (4) in the intermediate spaces between the ribs (14; 14a, ...; 16, 16a, ...) (or 14, ...; 16, ...) depending upon intersect
15 angle.

2. Spring element according to the preamble of claim 1, characterized in that the surface of the spring body (4) and/or the surface of at least one end body (6 and/or 8) is(are) provided with slide-capable surface coating.

3. Spring element of claim 1 or 2, characterized in that a group of mutually parallel ribs (14; 14a, ...), which are arranged on the surface (12), are orthogonally intersected by a further group of ribs (16; 16, ...) which are likewise mutually parallel;

5 the sections of the surface (12), which remain between the ribs (14; 14a, ...), (16; 16a, ...), are closed rectangles or squares (18a, ...).

4. Spring element of one of the claims 1 to 3, characterized in that the spacings (A) of the ribs (14a/14b; ...) or (16a/16b, ...) are approximately 10 mm from each other.

5. Spring element of one of the claims 1 to 4, characterized in that the ribs (14; 14a, ...; 16; 16a, ...) are each approximately 2 mm high.

6. Spring element of one of the claims 1 to 5, characterized in that the ribs (14; 14a, ...; 16; 16a, ...) are configured as wear ribs.

7. Spring element of one of the claims 1 to 6, characterized in that the ribs (14; 14a, ...; 16; 16a, ...) are made of a material which differs from the material of the spring body (4).

8. Spring element of one of the claims 1 to 7, characterized in that the ribs (14; 14a, ...; 16; 16a, ...) exhibit a slide capable surface.